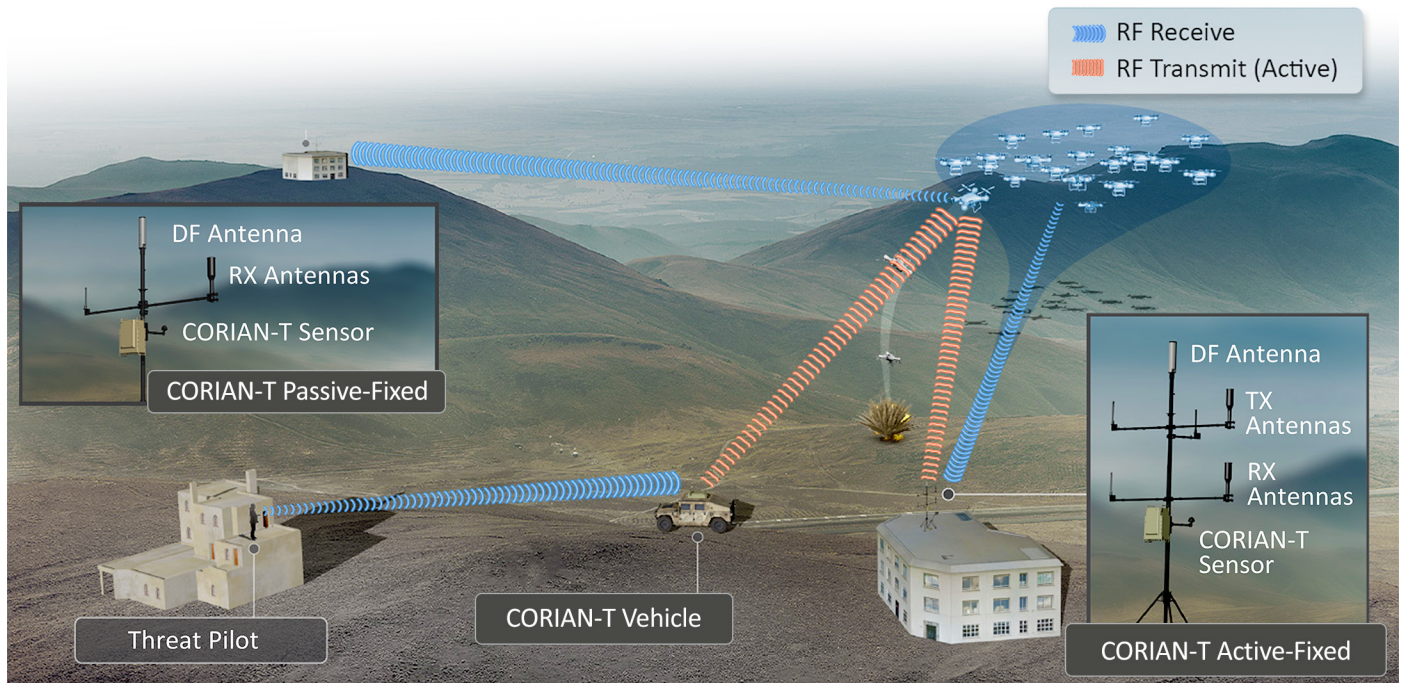


CORIAN[®] Tactical



CACI has extensive industry-leading expertise in developing, deploying, and integrating sophisticated counter-small unmanned aircraft systems (C-sUAS) technologies. Our SkyTracker[®] Technology Suite is comprised of various form factors and unique capabilities that exploit radio communications between sUAS and their controllers.

CACI's CORIAN[®] Tactical (CORIAN-T) capability offers customers fixed facility and on-the-move (OTM) protection against sUAS threats and secures airspace for legitimate/authorized devices and critical infrastructure. Due to its scalable fixed/mobile configuration, low size, weight, and power (SWaP), and precise mitigation capabilities, CORIAN-T is effective in environments from densely populated urban and industrial areas to austere remote locations.

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For more information about our expertise and technology, visit:

www.caci.com

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Features

- Automated sUAS signal detection and processing locates both the aircraft and aircraft operator
- Features precision mitigation for multiple drone types and models
- C-sUAS techniques include jamming, spoofing, return to home, forced landing, battery reset, and Global Navigation Satellite System (GNSS) denial
- Advanced emitter identification technology accurately identifies remote control model aircraft threats by recognizing distinct radio signatures
- Tracks and geolocates signal internals to/from sUAS to provide near real-time threat location
- Sensor dimensions: 12.5 inches wide, 7 inches high, 18 inches deep
- Weighs only 36 pounds; connects to standard 150-volt, 15-amp outlet, and consumes less than 200 watts
- Install in less than one hour

Benefits

- Accurate and near real-time detection, identification, tracking, location, and defeat capabilities
- Low SWaP for expanded mission options
- Open VPX architecture enables interoperability, improved heat management, and technology refreshing
- Agnostic and independent software

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CORIAN Tactical: Detect, Identify, Locate, Track and Defeat sUAS Threats

CORIAN-T offers expanded real-time, multi-manufacturer, and protocol detection capabilities. CACI's extensive signals of interest library of more than 400 signals is used to compare against detections, providing CORIAN-T with precise target information. CORIAN-T can be used in stand-alone mode and can join a mesh network to form a system-of-systems to defeat hostile UAS targets using precision neutralization techniques that ensure little to no collateral damage to surrounding radio frequency (RF) spectrum and existing communications. It autonomously provides alerts, identification, mission command and control, and reports system health and status. Sensors collect forensic data for analysis, post-mission exploitation, and evidence of airspace intrusion.

Optimized, Powerful Sensor and Architecture

The CORIAN-T sensor is built on a compact 3U VPX form factor that reduces the SWaP needed for rugged, mission-critical applications. The sensor features powerful processing capability and high-speed serial interconnects and is designed around an embedded development ecosystem. CORIAN-T uses field programmable gate arrays (FPGAs) that reduce the computational load on the processor and multiprocessor systems-on-chip (MPSoC) architecture – eliminating the need for larger components. Our team has also removed dependency on government off-the-shelf processing software and restricted the use of third-party modules. CORIAN-T's native processing capability is built on CACI's microservices and open architecture standards, enabling the sensor to plug-and-play into any layered C-sUAS defense.

Specifications	CORIAN-T
Frequency (MHz)	400 to 6,000 (base); 50 to 6,000 (aux)
# of independent RX channels	6; 4 DF
# of independent TX channels	2 (base); 4 (expanded)
IBW per channel	Up to 200 MHz
Antenna type	Omni
Receiver type	Direct conversion
Processing architecture	x86, ARM, and FPGA
Processing – CPU (GFLOPS)	117.6
Processing – FPGA (GFLOPS)	288
Direction finding	Integrated
Thermal solution	Forced convection
GOTS dependency	No
Ruggedization	810 subset



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CACI's approximately 22,000 talented employees are vigilant in providing the unique expertise and distinctive technology that address our customers' greatest enterprise and mission challenges. Our culture of good character, innovation, and excellence drives our success and earns us recognition as a *Fortune* World's Most Admired Company. As a member of the *Fortune* 500 Largest Companies, the Russell 1000 Index, and the S&P MidCap 400 Index, we consistently deliver strong shareholder value. Visit us at www.caci.com.

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